

Weston Solutions, Inc. 1400 Weston Way West Chester, PA 19380 610-701-3000 ● Fax 610-701-3186 www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

October 9, 2015

U.S. Environmental Protection Agency Region III Attn: Mr. Myles Bartos On-Scene Coordinator 1650 Arch Street Philadelphia, Pennsylvania 19103

Attn: Myles Bartos

Subject: RIC PCB-Summary of Findings

Project: RIC PCB Site, Roanoke, Virginia

EPA Contract No.: EP-S3-15-02 TDD No.: WS01-15-09-001

Document Control No.: W0057.1C.01475

Dear Mr. Bartos:

Under the Eastern Area Superfund Technical Assessment and Response Team (START) Contract No. EP-S3-15-02, the United States Environmental Protection Agency (EPA) Region III tasked Weston Solutions, Inc. (WESTON®) to conduct a site walk and collect wipe and oil samples from suspected polychlorinated biphenyl (PCB)-containing transformers from the RIC PCB Site (Site). The Site is located in a warehouse at the Roanoke Industrial Center in Roanoke, Virginia.

On September 16, 2015, with the permission of the property owner, EPA, START, and Potentially Responsible Party (PRP) contractors, Marsh & McLennan Agency (MMA) Environmental and LCM Environmental, met to conduct a site walk. Thirty-two similar looking transformer devices were observed on the second floor of Building 2C. The devices are divided into two areas, Area A (Southern) and Area B (Northern). At the time of the site walk, the devices in Area A appeared to be "dry". START collected a wipe sample from Equipment No. 3, located in Area B, sample ID: RP-W-01-091615, Contract Laboratory Program (CLP) No. COAAO and from the floor behind Equipment No. 3, sample ID: RP-02-091615, CLP No.

RIC PCB-Summary of Findings Page 2 of 2



C0AA1, for PCB analysis. MMA Environmental collected five wipe samples, sample IDs: Equipment No. 1 Wipe, Equipment No. 2 Wipe, Equipment No. 4 Wipe, Area A Floor Wipe, and Area B Floor Wipe. Equipment No. 1 Wipe was collected of a device located in Area A, Equipment No. 2 Wipe was collected of a device located in Area A, and Equipment No. 4 Wipe was collected of a device located in Area B.

LCM Environmental opened a device labeled Equipment No. 4 located in Area B. The oil contained in Equipment No. 4 was pumped out using a hand pump by LCM Environmental and split between MMA Environmental, sample ID: Equip No. 4 Oil, and START, sample ID: PR-O-01-091615, CLP No. C0AA2. Both samples were analyzed for PCB Aroclor analysis.

LCM Environmental over packed the 32 devices into 11 drums. Ten of the drums contain three devices each, whereas one drum contains two devices. Because there were no analytical results at the time of the sampling, all drums were labeled as "Containing PCBs" and were staged for later disposal. Photographs of the site conditions and sample locations can be found in Attachment A.

Laboratory analytical results indicated no detectable quantity of PCBs in any of the wipe samples or in the oil sample collected. Preliminary laboratory analytical summary reports are enclosed in Attachment B.

If you have any questions regarding this report, please call me at (610) 701-3014.

Sincerely,
WESTON SOLUTIONS, INC,
Non Responsive based on Revised Scope

Project Task Lead

Enclosure:

cc: TDD File

Attachment A – Photographic Documentation

Attachment B – Analytical Results

ATTACHMENT A PHOTOGRAPHIC DOCUMENTATION

Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 1

Photograph Date: September 16, 2015

Description:

Location of START wipe sample RP-W-01-091615 from Equipment No. 3 in Area B.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 2

Photograph Date: September 16, 2015

Description:

Location of START wipe sample RP-W-02-091615 from floor behind Equipment No. 3 in Area B.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 3

Photograph Date: September 16, 2015

Description:

Location of MMA Environmental wipe sample Equipment No. 1 Wipe from Equipment No. 1 in Area A.

Orientation:



Prepared by: Region 3 START

Photographer

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 4

Photograph Date: September 16, 2015

Description:

Location of MMA Environmental wipe sample Equipment No. 2 Wipe from Equipment No. 2 in Area A.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 5

Photograph Date: September 16, 2015

Description:

Location of MMA Environmental wipe sample Equipment No. 4 Wipe from Equipment No. 4 in Area B.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 6

Photograph Date: September 16, 2015

Description:

Location of MMA Environmental wipe sample Area A Floor Wipe from floor in Area A.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 7

Photograph Date: September 16, 2015

Description:

Location of MMA Environmental wipe sample Area B Floor Wipe from floor in Area B.

Orientation:



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

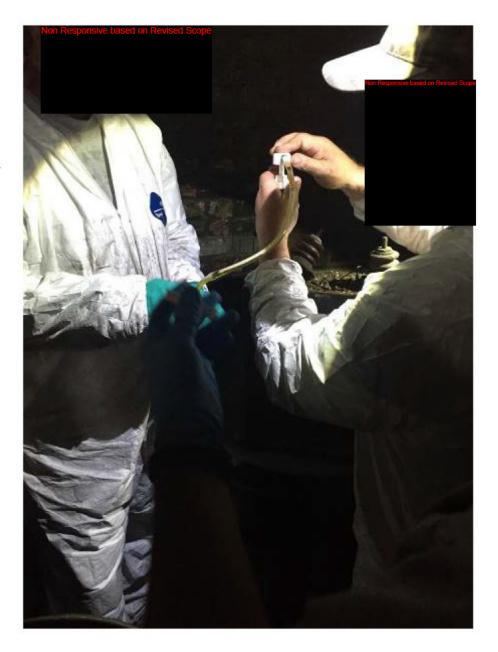
Photograph No. 8

Photograph Date: September 16, 2015

Description:

Collection of oil sample from Equipment No. 4 by a hand pump.

Orientation:



Prepared by: Region 3 START

Photographer TDD Number:

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 9

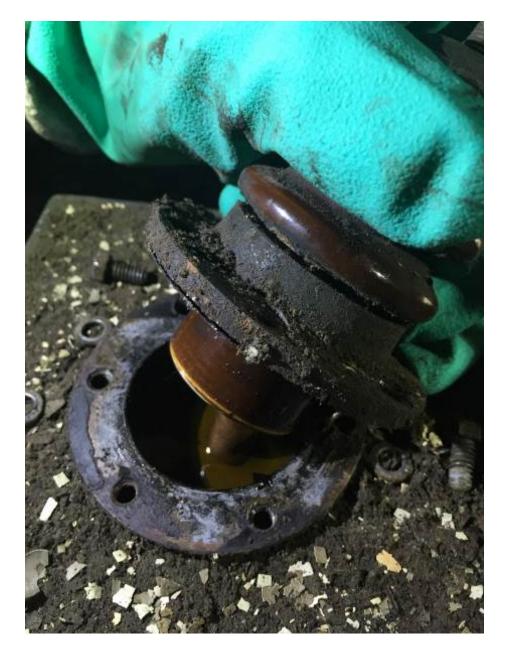
Photograph Date: September 16, 2015

Description:

Close-up of Equipment No. 4 cap where oil was collected by a hand pump.

Orientation:

NA



Prepared by: Region 3 START

Photographer: Notifice possed on Revision TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 10

Photograph Date: September 16, 2015

Description:

START oil sample RP-O-01-091615.

Orientation:

NA



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 11

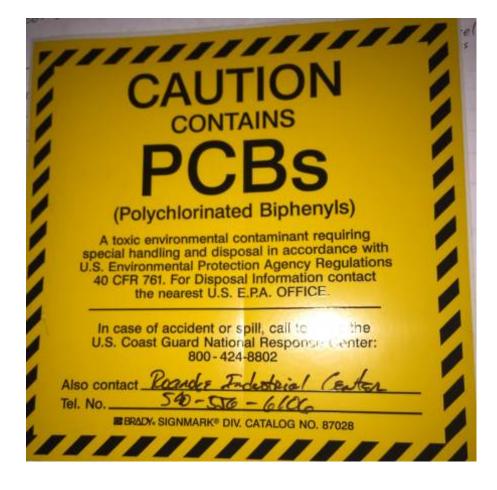
Photograph Date: September 16, 2015

Description:

Label that was placed on 32 individual devices and exterior of 11 drums prior to sample results indicating devices do not contain PCB oil.

Orientation:

NA



Prepared by: Region 3 START

Photographer:

TDD Number: W501-15-09-001

Client: U.S. EPA Region 3 Site Name: RIC PCB Location: Roanoke, VA

Photograph No. 12

Photograph Date: September 16, 2015

Description: Staged drums in hallway

Orientation: South



Photograph No. 13

Photograph Date: September 16, 2015

Description: Staged drums in hallway

Orientation: West



ATTACHMENT B ANALYTICAL RESULTS

Page 1 of 1

USEPA CLP COC (LAB COPY)

DateShipped: 9/18/2015 CamerName: Hand Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #: 45629 Cooler #: 1 No: 3-091715-171938-0001

Lab: Chemtech Consulting Group

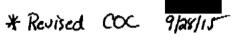
Lab Contact:

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.		Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use
RP-W-01-091615	COAAO	W/pe/START	Grab	PCB-A(7)	1001 (Hexane) (1)	Equipment No. 3	09/16/2015 10:20	Only _
RP-W-02-091615	C0AA1	Wipe/START	Grab	PCB-A(7)	1002 (Hexane) (1)	Area B Floor	09/16/2015 10:24	<u> </u>
RP-O-01-091615	C0AA2	Oil/ START	Grab	PCB-A(7)	1003 (1)	Equipment No. 4	09/16/2015 10:24	
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Correct Case Number 45629.	Samples Transferred From Chain of Custody #
Analysis Key; PCB-A=PCB (Aroclor)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
-					
		9/18/15-	Non Responsive based on Revised Scope		
	CLIENT DROPOFF	9.30		9/18/15 9:30	INTACT 5"-



USEPA

DateShipped; 9/18/2015

CarrierName: Hand Delivered

Case No. 45692

Special Instructions:

CHAIN OF CUSTODY RECORD

Site #: 00 Contact Name: Contact Phone No: 3-091715-171938-0001

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Cooler #: 1

Lab: Chemtech Consulting Group Lab Phone: 908-789-8900

Lab #	Sample #	CLP Sample #	Tag	Analyses	Matrix	Collected	Sample Time	Numb	Container	Preservativ	Lab QC	Sampler
	RP-W-01-091615		1001	PCB (Aroclor)	Wipe	9/16/2015	10:20	1	Wipe	Hexane	.uc	OTADY
	RP-W-02-091615	C0AA1	1002	PCB (Aroclor)	Wipe	9/16/2015	10:24	-			<u> </u>	START
	RP-O-01-091615	C0AA2	1003	PCB (Aroclor)	Oil	9/16/2015			Wipe	Hexane		START
	†	-	+			9/10/2015	12:15	1	4 oz glass		L	START
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sample -	9/18/15 0960	Non Responsive based on Revised Scope	9/18/15	
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CLIENT DROPOFF				
	 		<u> </u>	
	 			

Sample Delivery Group (SDG) Cover Sheet

SDG Number Lab Code	C0AA0 CHEM	Case Number SDG Turnaround	45629 21 DAYS 8 DAY PK	Contract Nur Delivery CLII		EP-W-14-030
First Sample Re	ceived in SDG	C0AA0	Last Sample Rec	eived in SDG	COA	A1
First Sample Re	ceipt Date	9/18/2015 9:30:00 AM	Last Samole Rec	eint Date	9/18	/2015 9:30:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
C0AA0	Field Sample	0010AA	2643A	2463.0
C0AA1	Field Sample	0010AA	2643A	2463.0

Note:		field samples (exc ler listed above on based on Revised	cluding PE samples) this form).	in an SDG.	Attach	h TR/COC Records	to this form in	
Signatu				Date		9/24/	12015	

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Aroclor-1242

Aroclor-1248

Aroclor-1254

Aroclor-1260

Aroclor-1262

Aroclor-1268

FORM 1A-OR Preliminary Results ORGANIC ANALYSIS DATA SHEET TARGET ANALYTE LIST

COAAO		

Lab Name : Ch	emtech Consulting Group	Contract : EPW14030
Lab Code: CHM Analytical Metho Matrix: Wipe Sample wt/vol:	d: ARO 45629	MA No.: 2463.0 SDG No.: COAAO Level: Lab Sample ID: G3782-01 Lab File ID: PQ003640.D
% Solids : 10	0	Date Received : 09/18/2015
GC Column : ZB	-MR1 ID: 0.32 (mm)	Date Extracted : 09/25/2015
GC Column : ZB	-MR2 ID: 0.32 (mm)	Date Analyzed : 09/25/2015
Extract Concentr	rated: (Y / N)	Extract Volume: 10000 (µL)
Soil Aliquot (VO	A) :(μL	Extraction Type : SOXH
Heated Purge : (Y	/N)	Injection Volume: 1.0 (µL)
Purge Volume :	(mL)	pH: Dilution Factor : 1.0
Cleanup Types :	-	Cleanup Factor: 1.0
Concentration U	mits (μg/L,mg/L,μg/kg): μ	g
CAS NO.	ANALYTE	CONCENTRATION Q
12674-11-2	Aroclor-1016	0.990 U
11104-28-2	Aroclor-1221	0.990 U
11141-16-5	Aroclor-1232	0.990 U

0.990

0.990

0.990

0.990

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0.990

53469-21-9

12672-29-6

11097-69-1

11096-82-5

37324-23-5

11100-14-4

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FORM 1A-OR Preliminary Results ORGANIC ANALYSIS DATA SHEET TARGET ANALYTE LIST

C0AA1	

Lab Name : Ch	emtech Consulting Group	Contract EPW14030	
Lab Code: CHM	Case No.: 45629	MA No.: 2463.0 SDG No.: COAAO	
Analytical Metho		Level:	
Matrix: Wipe		Lab Sample ID : G3782-02	
Sample wt/vol:	1.00 (g/mL): g	Lab File ID PQ003641.D	0.5h
% Solids 10	0	Date Received : 09/18/2015	
GC Column : ZB-	-MR1 ID: 0.32 (mm)	Date Extracted: 09/25/2015	20
GC Column : ZB	-MR2 ID: 0.32 (mm)	Date Analyzed : 09/25/2015	
Extract Concentr	ated: (Y / N) N	200 March 150 Ma	ıL)
Soil Aliquot (VO	A) :(μL)	Extraction Type : SOXH	
Heated Purge : (Y	/N)	_ Injection Volume : 1.0 (μL	1)
Purge Volume :	(mL)	pH: Dilution Factor: 1.0	
Cleanup Types :		Dilution Factor: Cleanup Factor: 1.0	75.
Concentration U	mits (μ g/L, m g/L, μ g/kg): μ g	₂ - 82	103
CAS NO.	ANALYTE	CONCENTRATION Q	
12674-11-2	Aroclor-1016	0.990 U	
11104-28-2	Aroclor-1221	0.990 U	
11141-16-5	Aroclor-1232	0.990 σ	
53469-21-9	Aroclor-1242	0.990 σ	
12672-29-6	Aroclor-1248	0.990 U	
11097-69-1	Aroclor-1254	0.990 σ	
11096-82-5	Aroclor-1260	0.990 σ	
37324-23-5	Aroglor-1262	0 990	

0.990

11100-14-4

Aroclor-1268

USEPA CLP COC (LAB COPY)

DateShipped: 9/18/2015 CarrierName: Hand Delivered

AirbillNa:

CHAIN OF CUSTODY RECORD

Case #: 45629 Cooler #: 1

SDG #: COAAQ

No: 3-091715-171938-0001

Lab: Chemtech Consulting Group

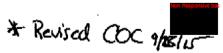
Lab Contact:

Lab Phone: 906-769-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
RP-W-01-091615	COAAO	Wipe/START	Grab	PCB-A(7)	1001 (Hexane) (1)	Equipment No. 3	09/16/2015 10:20	Only _
RP-W-02-091615	C0AA1	Wipe/ START	Grab	PCB-A(7)	1002 (Hexane) (1)	Area B Floor		
RP-O-01-091615	C0AA2	Öil/ START	Grab	PCB-A(7)	1003 (1)	_	09/16/2015 10:24	
-,	,				1003 (1)	Equipment No. 4	09/16/2015 12:15	
								
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Special Instructions: Original COC elaton Cong Number 45000 abla to the Congression of th	Shipment for Case Complete? Y Samples Transferred From Chain of Custody #
Analysis Key: PCB-A=PCB (Aroclor)	,

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			No. December to add a Build Const		-
	Client Dropoff	9/18/15		9:30	INTACT 52



DateShipped: 9/18/2015 CarrierName: Hand Delivered

Case No. 45692

CHAIN OF CUSTODY RECORD

Site #: 00

Contact Name Contact Phor SDG # : COAA2

No: 3-091715-171938-0001

Cooler #: 1

Lab: Chemtech Consulting Group Lab Phone: 908-789-8900

		-, <u> </u>									Lap Mno	one: 908-789-8900
Lab #	Sample #	CLP Sample #	Tag	Analyses	Matrix	Collected	Sample Time	Numb	Container	Preservatív	Lab .	Sampler
<u> </u>	RP-W-01-091615	COAÃO	1001	PCB (Aroclor)	Wipe	9/16/2015	-	Cont		•	QC	
	RP-W-02-091615	C0AA1	1002	PCB (Aroclor)	Wipe		10:20	1	Wipe	Hexane		START
	RP-O-01-091615	COAA2	1003	PCB (Aroclor)		9/16/2015	10:24	1	Wipe	Hexane	1	START
						9/16/2015	12:15	1	4 oz glass			START
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Sample Delivery Group (SDG) Cover Sheet

SDG Number	C0AA2	Case Number	45629	Contract Nur	nber	EP-W-14-030
Lab Code	CHEM	SDG Turnaround	21 DAYS 3 DAY PR	Delivery CLIf	N(s)	<u></u>
First Sample Re	eceived in SDG	C0AA2	Last Sample Rec	eived in SDG	C0A	A2MSD
First Sample Re	eceipt Date	9/18/2015 9:30:00 AM	Last Sample Rec	eiot Date	9/18	/2015 9:30:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP	Sample	Requested Analytical	Solicitation	MA
Sample ID	Туре	CLIN(s)/SubCLIN(s)	Number	Number(s)
C0AA2	Field Sample	0010AA	2643A	2533.0
C0AA2MS	Field Sample	0010AA	2643A	2533.0
C0AA2MSD	Field Sample	0010AA	2643A	2533.0

Note:	There are a	maximum of 20 field sample:	s (excluding PE samples)	in an SDG.	Attach TR/COC Records to this form in	
	alphanume	ric order (the order listed abov	e on this form).			
		Non Responsive based on Re	evised Scope			
Signatu	ıre			Date	9/24/2015	
Olg. Idia				Date		

FORM 1A-OR Preliminary Results ORGANIC ANALYSIS DATA SHEET TARGET ANALYTE LIST

C0AA2	

Lab Name :	Chemtech	Consulting Gr	oup	Contract	EPW14(030	
Lab Code	CHM	Case No.:	45629	MA No.:	2533 0	SDG No.:	C0AA2
Analytical Me	ethod	ARO		Level :			
Matrix :	Soil			Lab Sample	ID:	G3783-01	
Sample wt/vol	1.06	(g/mL): <u>c</u>	J	Lab File I	[D]	PQ003637.D	
% Solids	100			Date Recei	lved :	09/18/2015	
GC Column :	ZB-MR1	_ID : <u>0 32</u>	(mm)	Date Extra	acted :	09/25/2015	
GC Column :	ZB-MR2	_ID0.32	(mm)	Date Analy	zed :	09/25/2015	
Extract Conce	entrated	(Y / N)	N	Extract Vo	olume	10000	(µL)
Soil Aliquot	(VOA) :		(μL)	Extraction	n Type	SOXH	
Heated Purge	: (Y/N)			Injection	Volume	1.0	(µL)
Purge Volume	:		(mL)	pH		Dilution Factor	1 0
Cleanup Types	· _			Cleanup Fa		1 0	
Concentratio	on Units (1	ıq/L,mq/L,μq/k	a): μg/kg				

CAS NO	ANALYTE	CONCENTRATION	Q
12674 11 2	Aroclor-1016	930	U
11104-28-2	Aroclor-1221	930	U
11141-16-5	Aroclor-1232	930	U
53469-21-9	Aroclor-1242	930	U
12672-29-6	Aroclor-1248	930	U
11097 69 1	Aroclor-1254	930	U
11096-82-5	Aroclor-1260	930	U
37324-23-5	Aroclor-1262	930	υ
11100-14-4	Aroclor-1268	930	U